```
Deleted: sha256:02c055e+67f5904019t43a41ea5f099996d8e7633749b6e606c400526b2c4b33

PS C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\S-volumes> docker run --rm -d --name apache -p 80:80 httpd:2.4

Unable to find image 'httpd:2.4' locally
2.4: Pulling from library/httpd
66969152171a: Pull complete
7284b4e0cc7b: Pull complete
3678b2d55ccd: Pull complete
3678b2d55ccd: Pull complete
66954f8169fd: Pull complete
66954f8169fd: Pull complete
  status: Downloaded newer image for httpd:2.4
:e910a8aeb92b896de4f23108f42b83a1a3e8396fadbc30ef1656607ae64fdbb
```

Curl localhost

```
PS C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\5-volumes> <mark>curl</mark> localhost
StatusCode
                      : 200
StatusDescription : OK
                       : <html><body><h1>It works!</h1></body></html>
Content
                       : HTTP/1.1 200 OK
Keep-Alive: timeout=5, max=100
Connection: Keep-Alive
Accept-Ranges: bytes
 lawContent
                         Content-Length: 45
Content-Type: text/html
Date: Tue, 22 Jun 2021 14:10:32 GMT
ETag: "2d-432a5e4a73a80...
Forms
Headers
                          {}
{{Keep-Alive, timeout=5, max=100], [Connection, Keep-Alive], [Accept-Ranges, bytes], [Content-Length, 45]...}
Images
InputFields
Links
arsedHtml : mshtml.HTMLDocumentClass
tawContentLength : 45
 S C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\5-volumes>
```

```
S C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\5-volumes> docker op index.html apache:/usr/local/apache2/htdocs/
S C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\S-volumes> curl localhost
StatusCode : 200
StatusDescription : OK
Content : <html><body><h1>It works in Docker!</h1></body></html>
                            : HTTP/1.1 200 OK
Keep-Alive: timeout=5, max=100
Connection: Keep-Alive
Accept-Ranges: bytes
Content-Length: 56
Content-Type: text/html
Date: Tue, 22 Jun 2021 14:15:34 GMT
ETag: "38-5c556ff802200...
 awContent
                                \{\} {[Keep-Alive, timeout=5, max=100], [Connection, Keep-Alive], [Accept-Ranges, bytes], [Content-Length, 56]...}
Images
InputFields
Links
ParsedHtml
RawContentLength
                            : mshtml.HTMLDocumentClass
: 56
PS C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\5-volumes> _
```

Managing volumes

List of volumes

```
PS C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\5-volumes> <mark>docker</mark> volume ls
DRIVER
         VOLUME NAME
```

Creating a volume

```
C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8 Containerization and Docker\5-volumes> docker volume create myvolume
PS C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\5-volumes> docker volume ls DRIVER VOLUME NAME
local
          myvolume
```

Deleting volume

```
PS C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\S-volumes> <mark>docker</mark> volume rm myvolume
myvolume
PS C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\S-volumes> <mark>docker</mark> volume 1s
DRIVER VOLUME NAME
PS C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\S-volumes>
```

Mounting Volumes on containers

Create new volume

```
PS C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\5-volumes> docker volume create httpd_docs
httpd_docs
PS C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\5-volumes> docker volume ls
DRIVER VOLUME NAME
local httpd_docs
PS C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\5-volumes>
```

Rerunning recopying index.html

Stopping server, removing volume, rerunning

```
PS C:\Users\Woysh\Documents\AY 2020-2021\EEE 197\Week 10\ME8_Containerization_and_Docker\S-volumes> docker stop apache
ppach by
pach b
```

Mounting host directories on containers